

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A computer readable recording medium having a data structure for managing reproduction of data streams ~~recorded on the recording medium~~, comprising:

a data area configured to store a data stream, the data stream including a plurality of transport stream packets, the transport stream packets having respective packet identifiers (PID); and

a navigation area configured to store a playlist for managing playback of the data stream, storing at least one playitem in a playlist, the playlist including a stream indication field indicating the data streams associated with the playitem, the playlist including a playitem indicating a playing interval of the data stream, and the playitem including a packet identifier information field indicating the packet identifier (PID) of the transport stream packets associated with the playitem.
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Currently Amended) The computer readable recording medium of claim [[4]]1, wherein the data streams are elementary data streams.

6. (Currently Amended) The computer readable recording medium of claim 5, wherein the data area stores the elementary data streams as transport streams.

7. (Currently Amended) The computer readable recording medium of claim 6, wherein the data area stores the data streams multiplexed together.

8. (Currently Amended) The computer readable recording medium of claim [[3]]15, wherein the data streams are elementary data streams.

9. (Currently Amended) The computer readable recording medium of claim 8, wherein the data area stores the elementary data streams as transport streams.

10. (Currently Amended) The computer readable recording medium of claim 9, wherein the data area stores the data streams multiplexed together.

11. (Currently Amended) The computer readable recording medium of claim [[3]]17, wherein the data area stores the elementary data streams as transport streams.

12. (Currently Amended) The computer readable recording medium of claim 11, wherein the data area stores the data streams multiplexed together.

13. (Currently Amended) The computer readable recording medium of claim [[3]]18, wherein the plurality of data streams include video data streams.

14. (Currently Amended) The computer readable recording medium of claim 13, wherein the plurality of data streams include video data streams and at least one of audio data streams, graphics data streams and subtitle data streams.

15. (Currently Amended) A computer readable recording medium having a data structure for managing reproduction of data streams recorded on the recording medium, comprising:

a navigation area configured to store a playlist for managing playback of a data stream, which includes transport stream packets having respective packet identifiers (PID), storing at least one playlist, the playlist including at least one stream indication field indicating the data streams associated with the playlist, the playlist including a playitem indicating a playing interval of the data stream, and the playitem including packet identifier information field indicating the packet identifier (PID) of the transport stream packets associated with the playitem.

16. (Cancelled)

17. (Currently Amended) A method of recording a data structure for managing reproduction of data streams recorded on a computer readable recording medium, comprising:

recording at least one playitem in a playlist on the recording medium, the playlist including a stream indication field indicating the data streams associated with the playitem, a playlist including a playitem indicating a playing interval of a data stream, and the playitem including a packet identifier information field indicating a packet identifier (PID) of transport stream packets associated with the playitem.

18. (Currently Amended) A method of reproducing a data structure for managing reproduction of data streams recorded on a computer readable recording medium, comprising:

reproducing at least one playitem in a playlist from the recording medium, the playitem including a stream indication field indicating the data streams associated with the playitem playitem a playlist including a playitem indicating a playing interval of a data stream, and the playitem including a packet identifier information field indicating a packet identifier (PID) of transport stream packets associated with the playitem.

19. (Currently Amended) An apparatus for recording a data structure for managing reproduction of data streams on a computer readable recording medium, comprising:
- a driver for driving an optical recording device configured to record data on the computer readable recording medium;
- a controller for controlling the driver configured to control the optical recording device to record at least one playitem in a playlist on the recording medium, the playitem including a stream indication field indicating the data streams associated with the playitem playitem a playlist including a playitem indicating a playing interval of a data stream, and the playitem including a packet identifier information field indicating a packet identifier (PID) of transport stream packets associated with the playitem.

20. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of data streams recorded on a computer readable recording medium, comprising:
- a driver for driving an optical reproducing device configured to reproduce data recorded on the computer readable recording medium;
- a controller for controlling the driver configured to control the optical reproducing device to reproduce at least one playitem in a playlist from the recording medium, the playlist including a stream indication field indicating the data streams associated with the playitem playitem a playlist including a playitem indicating a playing interval of a data stream, and the

playitem including a packet identifier information field indicating a packet identifier (PID) of
transport stream packets associated with the playitem.